

**Remarks**

Claims 1-30, 32, 34-35, 38-54, and 56-76 are pending in the application. Claims 31, 33, 36-37, and 55 have been canceled by virtue of this amendment. Claims 1-5, 8-10, 12-17, 20-24, 30, 32, 38-43, 45-47, 49-54, and 56-61, have been amended. New claims 62-76 have been added. No new matter has been added by virtue of this amendment. Reconsideration of the application as amended is requested.

**Claim Rejections--35 U.S.C. § 112, second paragraph**

The Examiner rejects claims 2-5, 13-15 and 30-33 under 35 U.S.C. § 112, second paragraph, as being indefinite. Claims 31 and 33 have been canceled. Claims 2-5, 13-15, 30, and 32 have been amended to fix the problems identified by the Examiner. Other claims have also been amended to fix additional problems found by applicant's attorney. Therefore the rejection under 35 U.S.C. § 112, second paragraph has been traversed.

**Claim Rejections--35 U.S.C. § 102**

The Examiner rejects claims 1-10, 12-16, 21-31, and 34-61 under 35 U.S.C. § 102(e) as being anticipated by Agre.

Claim 1, as amended, states:

1. (Currently amended) A data collection apparatus, comprising:

a sensing unit for sensing a parameter comprising a sensor, a first data storage device, a first receiving device, and a first transmitting device, said first data storage device for storing data from said sensor, said first transmitting device for transmitting data derived from said sensor;

a control unit separable from said sensing unit, said control unit comprising a data receiving device, a second transmitting device, and a second data storage device different from said first storage device, said data receiving device to receive data transmitted from said data sensing unit, said second data storage device for storing said data received from said sensing unit wherein said sensing unit is configured so a real time signal from said control unit to said sensing unit **can trigger a change** in one or more of the following: (a) sensor data handling, (b) sensor data collection, and (c) sensor data storage in said sensing unit, and (d) sensor data transmission from said sensing unit.

Applicant would respectfully ask the Examiner to consider that Agre does not teach or suggest a scheme for transmitting a real time signal from any one of his units to **trigger** a change in sensor data handling, sensor data collection, or sensor data storage in any other of his units or sensor data transmission from his units. **Instead Agre has all his nodes programmed to operate on a schedule**, as described in column 10, lines 16-46. To "trigger" means to start the process; Agre only allows his nodes to engage in data acquisition--or in any of the other functions he mentions--according to a **preprogrammed schedule**. Agre does not teach or suggest that his nodes can receive a real time signal to "trigger" sampling; data acquisition must await its appointed time in the schedule. **Only when the preprogrammed scheduled time slice comes around does Agre allow data acquisition**. This is the opposite of triggering.

Further Agre points out that:

Referring again to FIG. 7, after initialization 85 the microprocessor 20 **forms a schedule (86)**, then sets transceiver 12 to listen for the frame synch slice 95a. When frame synch slice 95a is received the microprocessor 20 sets an internal timer to and commences the appropriate activity **according to its schedule (86)**. For example, if the particular node is not scheduled to receive or transmit in the upcoming slice, it would load DSP coefficients (88), then acquire sensor data (89), analyze the DSP output (90) (including detecting any alarm conditions output by threshold comparators 19); then, **during the appropriately scheduled slices the microprocessor enables the transceiver to receive data and commands (91) and to transmit (92) data**, including alarm conditions and relayed messages and commands to other nodes. **The microprocessor then waits (93) for the next frame synch 95a and repeats the activities 88-93 in a loop.** (Column 10, lines 30-45)

Thus, Agre teaches against the idea of triggering. All is accomplished according to a schedule. Thus, there is no way in Agre that a signal can be received to trigger a change in any of the following: (a) sensor data handling, (b) sensor data collection, and (c) sensor data storage in said sensing unit, and (d) sensor data transmission from said sensing unit. Further invention would be needed to provide for receiving a signal from a control unit to trigger any of these in Agre.

Limits involving triggering have been added to the other independent claims in the application, including independent claims 39, 40, and 50. These claims are distinguished from Agre since Agre does not teach or suggest triggering to accomplish any function; all of his operations are scheduled--there is no triggering possible. Thus, the rejection of claims 1-10, 12-16, 21-31, and 34-61 under 35 U.S.C. § 102(e) as being

anticipated by Agre has been traversed.

**Claim Rejections--35 U.S.C. § 103(a)**

The Examiner rejects claim 11 under 35 U.S.C. § 103(a) as being unpatentable over Agre. Claim 1, from which claim 11 depends, has been amended to more clearly distinguish from Agre. Thus, the rejection of claim 11 under 35 U.S.C. § 103(a) as being anticipated by Agre has been traversed.

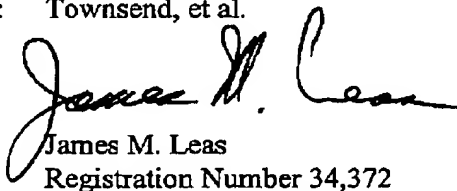
The Examiner rejects claims 17-20 under 35 U.S.C. § 103(a) as being unpatentable over Agre in view of Fischell. Claim 1, from which claims 17-20 depend, has been amended to more clearly distinguish from Agre and from Agree in view of Fischell. Neither reference individually or in combination teach or suggest the limits in claim 1 highlighted above. Thus, the rejection of claims 17-20 under 35 U.S.C. § 103(a) as being anticipated by Agre in view of Fischell has been traversed.

The Examiner rejects claims 32-33 under 35 U.S.C. § 103(a) as being unpatentable over Agre in view of Julien. Claim 1, from which claims 32-33 depend, has been amended to more clearly distinguish from Agre and from Agree in view of Julien. Neither reference individually or in combination teach or suggest the limits in claim 1 highlighted above. Thus, the rejection of claims 17-20 under 35 U.S.C. § 103(a) as being anticipated by Agre in view of Julien has been traversed.

Consideration of the application as amended is requested. Applicant respectfully requests favorable reconsideration. If there are any questions please call applicant's attorney at 802 864-1575.

Respectfully submitted,

For: Townsend, et al.

By:   
James M. Leas  
Registration Number 34,372  
Tel: (802) 864-1575

James M. Leas  
37 Butler Drive  
S. Burlington, Vermont 05403